

BEAVER RIVER BASIN

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10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE^{1/4}SW^{1/4}SW^{1/4} sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, on right upstream wingwall of bridge on State Highway 21, 2.0 mi upstream from Indian Creek, and 1.6 mi east of Adamsville.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--December 1913 to September 2003 (discontinued). Monthly discharge only, October 1936 to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder. Crest-stage gage since November 23, 1994. Elevation of gage is 5,550 ft above NGVD of 1929, from topographic map. Prior to September 15, 1936 water-stage recorder, September 15, 1936 to October 15, 1937 nonrecording gage, and October 16, 1937 to March 19, 1970 water-stage recorder about 1.7 mi downstream. March 20, 1970 to July 25, 1979 water-stage recorder 400 ft downstream. Sites prior to July 26, 1979 at different datums. July 26, 1979 to February 5, 1992 water-stage recorder 50 ft upstream at same datum.

REMARKS.--Records good except for daily discharges less than 2.0 ft³/s, which are poor. One small diversion between station and Minersville Reservoir. Many diversions for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 ft³/s, Jun 6, 1995, gage height 5.52 ft, from rating curve extended above 1,000 ft³/s; no flow during Aug and Sep 2002 at current site and some years when gage was 1.7 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 76 ft³/s, May 29, gage height, 4.32 ft; no flow on several days in Aug and Sep.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	8.0	23	30	22	27	18	0.28	44	0.10	0.07	0.00
2	0.30	13	22	29	23	28	5.6	0.29	34	0.10	0.10	0.00
3	0.39	12	22	27	24	26	6.1	0.30	21	0.11	0.09	0.00
4	0.36	13	23	26	25	28	5.9	0.34	9.2	0.10	0.09	0.00
5	0.26	14	24	26	29	31	6.0	0.34	1.8	0.11	0.07	0.01
6	0.24	15	21	29	25	32	6.8	0.33	1.3	0.10	0.05	0.01
7	0.21	16	21	27	28	33	6.5	0.30	0.94	0.10	0.05	0.00
8	0.21	17	21	27	32	29	5.9	0.38	0.89	0.10	0.04	0.01
9	0.21	19	23	27	34	28	6.2	0.50	0.82	0.09	0.02	0.02
10	0.20	19	24	28	28	27	6.1	0.47	0.94	0.07	0.01	0.04
11	0.20	18	20	30	29	27	5.8	0.85	0.97	0.06	0.01	0.04
12	0.21	17	23	28	28	27	3.8	0.39	0.95	0.05	0.01	0.03
13	0.22	22	23	27	28	27	4.9	0.34	0.94	0.04	0.05	0.01
14	0.22	23	25	27	29	28	5.2	0.35	0.82	0.05	0.06	0.01
15	0.96	23	22	26	27	27	0.58	0.45	0.72	0.07	0.04	0.01
16	1.1	23	21	26	25	29	0.38	0.78	0.59	0.05	0.05	0.00
17	1.5	23	22	27	26	33	0.34	13	0.33	0.06	0.03	0.00
18	1.1	23	23	27	28	32	0.35	1.5	0.28	0.06	0.02	0.00
19	1.1	24	23	26	26	31	0.36	3.9	0.25	0.06	0.01	0.01
20	1.1	24	21	26	25	27	0.32	9.8	0.20	0.05	0.00	0.02
21	1.3	21	21	26	25	26	0.29	17	0.20	0.02	0.01	0.04
22	1.4	21	21	26	24	26	0.34	40	0.22	0.04	0.00	0.04
23	1.8	22	19	26	24	27	0.48	47	0.20	0.05	0.00	0.04
24	2.3	22	22	26	24	29	0.45	33	0.22	0.06	0.00	0.03
25	2.6	22	29	26	29	27	0.34	27	0.20	0.06	0.00	0.03
26	2.6	24	31	26	29	28	0.28	23	0.16	0.05	0.01	0.03
27	3.4	24	33	26	28	29	0.28	41	0.14	0.03	0.02	0.02
28	5.8	23	29	25	28	26	0.25	53	0.13	0.03	0.01	0.02
29	7.6	22	28	24	---	23	0.26	56	0.11	0.01	0.00	0.02
30	7.7	21	32	23	---	24	0.27	55	0.10	0.02	0.01	0.01
31	7.5	---	34	23	---	26	---	52	---	0.05	0.00	---
TOTAL	54.28	588.0	746	823	752	868	98.37	478.89	122.62	1.95	0.93	0.50
MEAN	1.75	19.6	24.1	26.5	26.9	28.0	3.28	15.4	4.09	0.063	0.030	0.017
MAX	7.7	24	34	30	34	33	18	56	44	0.11	0.10	0.04
MIN	0.19	8.0	19	23	22	23	0.25	0.28	0.10	0.01	0.00	0.00
AC-FT	108	1,170	1,480	1,630	1,490	1,720	195	950	243	3.9	1.8	1.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2003, BY WATER YEAR (WY)

MEAN	19.3	41.1	41.1	39.1	42.9	43.0	29.7	72.1	80.5	15.7	14.3	10.9
MAX	66.9	70.1	62.7	65.6	65.5	85.8	144	622	1,113	134	136	49.6
(WY)	(1984)	(1983)	(1985)	(1969)	(1930)	(1916)	(1984)	(1984)	(1983)	(1983)	(1936)	(1936)
MIN	0.000	18.0	18.9	19.1	21.5	22.3	1.93	0.32	0.000	0.000	0.000	0.000
(WY)	(1932)	(1991)	(1991)	(1973)	(1935)	(1935)	(1935)	(2002)	(1934)	(1934)	(1931)	(1924)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1915 - 2003
ANNUAL TOTAL	4,786.26	4,534.54	
ANNUAL MEAN	13.1	12.4	
HIGHEST ANNUAL MEAN			37.4
LOWEST ANNUAL MEAN			180
HIGHEST DAILY MEAN	43	Feb 16	9.83
LOWEST DAILY MEAN	0.00	Aug 14	1977
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 14	1,700
ANNUAL RUNOFF (AC-FT)	9,490	8,990	Jun 19, 1983
10 PERCENT EXCEEDS	36	29	0.00
50 PERCENT EXCEEDS	1.1	5.6	May 7, 1924
90 PERCENT EXCEEDS	0.05	0.02	0.00
			Aug 7, 1924
			27,100
			59
			30
			0.55

